SL-FRHF-100FG
Synthetic Fire Resistant Hydraulic Fluid - Food Grade

Safety Data Sheet (SDS)

1. Identification
Product identifier
Trade name SL-FRHF-100FG
Product description Synthetic Fire Resistant Hydraulic Fluid - Food Grade
Details of the supplier of the safety data sheet
Manufacturer/supplier Synthetic Lubricants & Filters, Inc
7401 University Drive - Shreveport, LA 71105
318-779-0682
Emergency telephone number 318-779-0682

2. Hazard(s) Identification
Classification of the substance or mixture The substance is not classified according to the Globally Harmonized System (GHS).
Label elements
GHS label elements Non-regulated material
Hazard pictograms Non-regulated material
Signal word Non-regulated material
Hazard statements Non-regulated material
Classification System
NFPA ratings (scale 0-4)
Health=0; Fire=1; Reactivity=0

HMIS-ratings (scale 0 - 4)
Health=0; Fire=1; Reactivity=0
3. Composition / Information on Ingredients

Chemical characterization
Mixtures

Description
Mixture of the substances listed below with nonhazardous additions

Dangerous Components
Non-regulated material

4. First-aid Measures

Description of first aid measures

General information
No special measures required

After inhalation
Supply fresh air; consult doctor in case of complaints

After skin contact
Generally the product does not irritate the skin

After eye contact
Rinse opened eye for several minutes under running water

After swallowing
If symptoms persist, consult doctor

Most important symptoms and effects, both acute and delayed
No further relevant information available

Indication of any immediate medical attention and special treatment needed
No further relevant information available

5. Fire-fighting Measures

Extinguishing media

Suitable extinguishing agents
CO₂ or Powder. Water mist to cool, no direct water spray. Collect spillage.

Special hazards arising from the substance or mixture
No further relevant information available

Advice for firefighters

Protective equipment
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Not required

Environmental precautions
No special measures required

Methods and material for containment and cleaning up
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose of the collected material according to regulations.

See Section 7 for information on safe handling.

Reference to other sections
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
7. Handling and Storage

Precautions for safe handling: No special measures required
Information about protection against explosions and fires: No special measures required

Conditions for safe storage, including any incompatibilities:

Storage:
Requirements to be met by storerooms and receptacles: No special requirements
Information about storage in one common storage facility: Not required
Further information about storage conditions: None
Specific end use(s): No further relevant information available

8. Exposure Controls / Personal Protection

Additional information about design of technical systems: No further data; see section 7

Control parameters:
Components with occupational exposure limits: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace
Additional information: The lists that were valid during the creation were used as basis

Exposure controls:
Personal protective equipment:
General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed
Breathing equipment: Normally not necessary. If mist is generated, wear approved organic vapor respirator suitable for oil mist areas with sufficient oxygen.
Protection of hands: Normally none required, for direct contact of more than 2 hours, PVC, Viton, or Nitrile gloves are recommended.
Material of gloves: Not required
Penetration time of glove material: Not applicable
Eye protection: Normally none required, chemical goggles if splashing is likely or high pressure systems are used.
## 9. Physical and Chemical Properties

Information on basic physical and chemical properties

### General Information

**Appearance**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>See product</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH-value</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**Change in condition**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/Melting range</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>&gt;570°F (&gt;298°C)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;500°F (&gt;260°C)</td>
</tr>
<tr>
<td>Flammability (solid, gaseous)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**Ignition temperature**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto-igniting</td>
<td>Not determined</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**Explosion limits**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower</td>
<td>Not determined</td>
</tr>
<tr>
<td>Upper</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Pressure @ 20 DEG C</td>
<td>&lt;0.003 kPa</td>
</tr>
<tr>
<td>Density @ 20 DEG C</td>
<td>0.85-0.88</td>
</tr>
<tr>
<td>Relative Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility in/Miscibility with Water</td>
<td>Not miscible</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**Viscosity**

<table>
<thead>
<tr>
<th>Viscosity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity - Dynamic</td>
<td>Varies with grade</td>
</tr>
<tr>
<td>Viscosity - Kinematic</td>
<td>Varies with grade</td>
</tr>
</tbody>
</table>

**Solvent content**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic solvents</td>
<td>0.00%</td>
</tr>
<tr>
<td>Other Information</td>
<td>No further information</td>
</tr>
</tbody>
</table>

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**Note:**

- The values provided are for reference and may vary based on the specific grade and batch of the product.
- For the purposes of this document, the values are not determined unless explicitly stated otherwise.

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Revision Date: 2015-05-27
10. Stability and Reactivity

Reactivity
No further relevant information available

Chemical stability
Stable under normal conditions

Thermal decomposition / conditions to be avoided
No decomposition if used according to specifications

Possibility of hazardous reactions
No dangerous reactions known

Conditions to avoid
No further relevant information available

Incompatible materials
No further relevant information available

Hazardous decomposition products
No dangerous decomposition products known

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Primary irritant effect

On the skin
No irritating effect

On the eye
No irritating effect

Additional toxicological information
The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

IARC (International Agency for Research on Cancer)
None of the ingredients are listed.

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

NTP (National Toxicology Program)
None of the ingredients are listed

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients are listed

12. Ecological Information

Toxicity
No data is available on this product

Aquatic toxicity
No further relevant information available

Persistence and degradability
No further relevant information available

Bioaccumulative potential
No further relevant information available

Mobility in soil
No further relevant information available

Additional ecological information

12. Ecological Information (continued)

General notes
Generally not hazardous for water

Results of PBT and vPvB assessment
PBT Not applicable
vPvB Not applicable
Other adverse effects No further relevant information available

13. Disposal Considerations

Waste treatment methods
Recommendation Smaller quantities can be disposed of with household waste. Recycle or dispose with household trash.

Uncleaned packagings
Recommendation Disposal must be made according to official regulations.

14. Transportation Information

UN-Number
DOT, ADN, IMDG, IATA Non-regulated material
ADR Non-regulated material

UN proper shipping name
DOT, ADR, ADN, IMDG, IATA Non-regulated material

Transport hazard class(es)
DOT, ADR, ADN, IMDG, IATA Non-regulated material

Class Non-regulated material

Packing group
DOT, ADR, IMDG, IATA Non-regulated material

Environmental hazards
Marine pollutant No
Special precautions for user Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable
UN "Model Regulation" —
## 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

### Sara

<table>
<thead>
<tr>
<th>Regulation</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 355 (extremely hazardous substances)</td>
<td>None of the ingredients are listed</td>
</tr>
<tr>
<td>Section 313 (Specific toxic chemical listings)</td>
<td>None of the ingredients are listed</td>
</tr>
<tr>
<td>TSCA (Toxic Substances Control Act)</td>
<td>None of the ingredients are listed</td>
</tr>
<tr>
<td>Proposition 65</td>
<td>None of the ingredients are listed</td>
</tr>
<tr>
<td>Chemicals known to cause cancer</td>
<td>None of the ingredients are listed</td>
</tr>
<tr>
<td>Chemicals known to cause reproductive toxicity for females</td>
<td>None of the ingredients are listed</td>
</tr>
<tr>
<td>Chemicals known to cause reproductive toxicity for males</td>
<td>None of the ingredients are listed</td>
</tr>
<tr>
<td>Chemicals known to cause developmental toxicity</td>
<td>None of the ingredients are listed</td>
</tr>
</tbody>
</table>

### Carcinogenic categories

<table>
<thead>
<tr>
<th>Agency</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA (Environmental Protection Agency)</td>
<td>None of the ingredients are listed</td>
</tr>
<tr>
<td>TLV (Threshold Limit Value established by ACGIH)</td>
<td>None of the ingredients are listed</td>
</tr>
<tr>
<td>NIOSH-Ca (National Institute for Occupational Safety and Health)</td>
<td>None of the ingredients are listed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GHS label elements</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td>Hazard pictograms</td>
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</tr>
<tr>
<td>Signal word</td>
<td>Non-regulated material</td>
</tr>
<tr>
<td>Hazard statements</td>
<td>Non-regulated material</td>
</tr>
<tr>
<td>National regulations</td>
<td>Non-regulated material</td>
</tr>
<tr>
<td>State Right to Know</td>
<td>Non-regulated material</td>
</tr>
<tr>
<td>Chemical safety assessment</td>
<td>A Chemical Safety Assessment has not been carried out.</td>
</tr>
</tbody>
</table>
16. Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

Date of preparation / last revision 02/19/2016 / 1

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)